

UNIVERSITY OF TORONTO

Bulletin

No. 13, 36th year

Monday, February 7, 1983

UTSA needs money to deal with layoffs: Jackel

by Pamela Cornell

Notice of termination has already been given to seven budget-supported staff and one grant-supported staff member and another budget-supported staff member has been relocated in anticipation of the complement reduction in the 1983-84 budget, U of T Staff Association president Michael Jackel told about 25 UTSA members Feb. 1 at the Office of Admissions. The luncheon meeting was one of five called to give UTSA members a chance to discuss the 1983-84 salary and benefit proposals.

Quoting termination figures supplied by the administration last Dec. 21, Jackel said UTSA desperately needs additional revenue to maintain an effective organization in the face of layoffs. Despite the energetic efforts of the membership committee, which has helped boost membership to an all-time high of 1,600, he said, the monthly dues of \$2.75 per person are still insufficient to staff the UTSA office adequately and to retain the services of a lawyer.

In the 1982-83 budget year, 42 staff members had their positions terminated and, of those, 26 found other jobs at the University. Seven more (as of Dec. 21) had been given notice and another 13 had had their positions terminated but were classified as being on unpaid leave in order to maintain their internal status, which gives them priority should an appropriate job come vacant. Not included in those figures are positions eliminated through attrition, following a retirement or resignation.

One of UTSA's salary and benefit proposals this year calls for membership in the association as a condition of employment for staff at U of T. Oppo-

sition to that proposal has been expressed in several letters to Jackel and to campus newspapers.

Jackel said he had been both harangued and congratulated over the issue of mandatory membership.

"There's a perception among the opposing faction that this is some form of creeping unionism one or two of us have somehow managed to slip past the rest. That's just not the case. Forty or 50 people — reflecting a wide range of ages and interests — were involved in the formulation process and, as a result, I think we've come up with a reasonable set of proposals."

He said a motion to bring salary and benefit proposals to general meetings for ratification had been opposed a couple of years ago by several of the individuals signing the protest letters. The question of mandatory member-

ship had not been included on a recent questionnaire, he said, because the questionnaire went out to non-members and members alike so the results of the survey would not have reflected just members' views and presumably the non-members would all have been opposed.

"Let the moaners resign," said Alan Hill, assistant director of admissions. "I'm sick of those who want to freeload by refusing to join UTSA and pay their dues, while reaping the same benefits as members, who contribute money and time to the association. The letters seem a hysterical reaction and I saw nothing compelling in any of their arguments."

Jack Branker, an employee in the Robarts Library, described the letters to campus newspapers as irresponsible. It would have been more produc-

tive, he said, for the authors to raise their concerns at the specially-convened meetings, where there could be a two-way discussion, instead of setting out just one point of view.

Betty Isbister, an employee in the Office of Admissions, said that while she regards staff members who don't join UTSA as "jerks", she would prefer to stick with the system of voluntary membership because she supports the principle of freedom of choice.

Among other proposals discussed at the meeting were replacement of staff on maternity leave, and a scheme whereby staff members could take up to a year's leave of absence every five years.

Negotiations with the administration are scheduled to begin this week.

Restructuring of architecture imminent

Vice-president & Provost David Strangway is proposing drastic changes in the Faculty of Architecture & Landscape Architecture beginning next fall. The plan would save between \$500,000 and \$1,700,000.

The changes would, as well, answer criticisms about quality of the faculty. Over the past few years several internal and external reviews have suggested that the level and scope of its courses and the standing of the faculty in the international community are less than satisfactory. Recent accreditation studies released this fall by the

Commonwealth Association of Architects and the American Association of Landscape Architects both expressed reservations.

A document with the administration's suggestions for revising the offerings and structure of the faculty will go to the next meeting of the planning subcommittee. In it are assessed these four possibilities:

- Upgrade the quality of each program without reducing the number of offerings or students. This would cost too much, says Strangway. Among other things, the building that houses the faculty would have to be expanded.
- Reduce each of the two departments, architecture and landscape architecture, independently, without mergers

or efficiencies.

- Eliminate both departments for a net saving of \$1.7 million.
- Merge them, shrink enrolments, introduce some common courses and reduce the program from five years to four, with first year arts and science as a prerequisite. This would save nearly \$500,000 and eliminate the need for more space.

The last plan seems the most likely. Strangway says an enrolment freeze is being considered in the likelihood that either the third or the fourth proposal will be adopted. "It really isn't fair for students to be applying for a program that would be dramatically different

Continued on Page 2

Equipment fund wiped out

The Central Equipment Fund, which rose from about \$700,000 in 1981-82 to just over \$1 million for the current year, has been swallowed by the \$5 million dedicated fund.

The equipment fund had been deliberately increased as part of a long-term strategy to recognize the need documented last year in a report to David Strangway, vice-president and provost, by a task force headed by Professor Roland List of physics. The report said much of the University's teaching equipment is reaching the end of its lifetime and recommended a substantial infusion of funds for its replacement.

"We resisted for a considerable amount of time," says Assistant Provost David Cook, who was a member of the task force, "but the decision

ultimately taken by the Budget Planning Secretariat was to give the fund over." The fund remains in the base budget since it was given over for one time only.

"It's a fundamentally tragic story," says Cook. "Our problems in equipment are not going to go away: they'll become more pressing. Teaching equipment is one area in which we have a massive shortfall. We hadn't expected the increase this year to solve all the problems, but it would have gone some distance to alleviate some of them."

The Central Equipment Fund, which is for teaching equipment, is administered and dispensed by the provost, who is also a member of the Budget Planning Secretariat.



Twice the winner of the Governor-General's medal for poetry, Dorothy Livesay is this term's writer in residence. See story page 5.

Polanyi shares Wolf Foundation prize

University Professor John Polanyi will share the Wolf Foundation 1982 prize in chemistry. The \$100,000 award from the Israeli-based foundation goes to Prof. Polanyi and Professor George Pimentel of the University of California, Berkeley, for their work in converting the energy of chemical reactions into powerful light energy forms of laser beams. The prizes will be presented by Israel's president Itzhak Navon in the Knesset in Jerusalem in May.

Polanyi is being honoured for his studies of chemical reactions envisaging the principles underlying the chemical laser. In 1959 Polanyi developed the field of infrared chemiluminescence. Using this technique he was able to measure, for the first time, the distribution of individual quantum states resulting from an elementary chemical reaction. In the early 60s he predicted the infrared chemical laser. He went on to develop the theory of energy disposal and of energy requirements in chemical reactions. In recent years he succeeded in achieving direct spectroscopic detection of transition states. Through these contributions he has been a prime innovator in

shaping the field of chemical dynamics as they are now known.

Pimentel was chosen for the award for, among other accomplishments, the discovery of photodissociation and chemical lasers.

Born in 1929 in Berlin and educated at Manchester University, Prof. Polanyi joined the faculty of U of T in 1956. He is a fellow of the Royal Societies of Canada and London. He won the British Chemical Award in 1971 and the Chemical Institute of Canada Award in 1974.

The Wolf Foundation awards prizes for internationally recognized achievements in physics, agriculture, chemistry, medicine, mathematics and music. Forty-two winners from 11 countries have been awarded the Wolf Prize since 1978. Four of these later received the Nobel Prize — in medicine and physics. Two members of the three-member chemistry prize committee this year were Nobel laureates.

The foundation was created in 1975 by Ricardo Wolf, a chemist who developed the process that is used in steel mills for recovering iron from the residue of the smelting process.

Committee Highlights

The Business Affairs Committee — January 12, 1983

- concerned with the recommendation of planning and resources that the proposal for Phase III of the Erindale College residences be approved. The committee recommended the sale of a debenture of up to \$1.3 million to help fund the project. The total cost is estimated to be \$1,580,000. The project will be funded by the sale of the debenture and \$280,000 from Erindale College's accumulated residence surplus.

- approved the capitalization of \$2,299,121 of unallocated income from the Connaught Fund for the year ended April 30, 1982

- approved the revised Administrative Staff Complaint and Grievance Procedure. A grievance panel replaces the tripartite board, whose selection was cumbersome and time-consuming. The revised policy also requires that hearings will be governed by the Statutory Powers Act

- received for information reports on '82-'83 enrolment, appropriation changes December through Jan. 4, and '83-'84 capital requests

- received for information a memorandum from the vice-president — business affairs on the establishment of a capital appropriation of \$50,000 for consultants who will give the University advice on the redevelopment of University property

The Academic Affairs Committee — January 13, 1983

- received for information report on English Proficiency Test (*Bulletin*, Jan. 24)
- a discussion of the budget guidelines began with the chairman commenting that it was unusual for the guidelines to be discussed in the Academic Affairs Committee, but the committee wished to be involved. A member noted that principles for strategic planning in the budget guidelines were directly relevant to academic

affairs. These are that plans should be founded on the academic purposes of the University and that academic purposes should take priority over other purposes.

Members expressed concern that although the guidelines had academic implications there was no procedure for academic affairs to be involved in the budget process. There was concern that departmental chairmen had difficulty implementing budgetary decisions without having had an opportunity to advise on them. It was suggested that the Academic Affairs Committee have an opportunity for input at an early stage in the budget process and at the end for an academic overview of the decisions.

In order to make academic decisions the committee must be informed about the availability of resources and the alternatives, it was suggested. Those drawing up the budget could not understand the academic context without a good deal of information. This presupposed much more contact between the Academic Affairs Committee and the budget process. There was a view that a budget by consensus would be more acceptable to the University community.

The committee established a working group to consider the issues raised in the discussion and ways in which they might be met. Members are: Tony Clement (*chairman*), Prof. J.M. Daniels, Alix de la Roche, Prof. C.M. Hollenberg, Prof. W.J. Kirkness, Cathy Laurier, Dean John Leylerle, Prof. K.W. McNaught, Prof. J.M. Robson, Prof. Dennis Smith, Robin Sundstrom, and Christine Vercoe.

The President said the discussion that had taken place was central and the issues raised were of vital importance. They were related to the constitutional problems with which the University still struggled.

The Committee on Campus & Community Affairs — January 18, 1983

- recommended for approval a section of the policy on alumni affairs which states that the alumni functions of the departments of alumni affairs, information services and private funding be coordinated by the vice-president — institutional relations and which emphasizes the need for close cooperation among alumni volunteers
- recommended approval of policy statements for the community relations office. The goals of the office are to provide liaison between the University and various community groups; furnish information about the University to the community and be an information source on the community; and work in cooperation with other external relations units
- approved updated terms of reference of the Varsity Fund board for a period of two years while discussion continues on the terms of reference

- referred back to the administration the policy on compulsory non-academic incidental fees with a view to including in the policy subsidiaries of, or organizations funded by, student organizations and to including adherence to the Human Rights Code as a condition for fee collection

- received from the vice-president — personnel and student affairs a summary of discussion of the rate structure for use of University facilities for non-academic functions held outside academic hours. Preliminary proposals have demonstrated a need to increase fees for internal users to a rate which would cover out-of-pocket expenses. External users would be charged a higher rate to cover administrative overheads and possibly generate a small amount of revenue

Staff fundraising appeal

The Department of Private Funding reports the following results of the first five months of this year's fac-

ulty/administrative staff fundraising campaign. *(Included are figures for this time last year.)

	1981	1982	Increase (Decrease)
Administrative Staff/Faculty Cash and Pledges	\$81,144	\$156,610	\$75,466
Number of donors	254	529	275
Average gift	\$319.46	\$296.05	(\$23.41)

*These figures do not reflect administrative staff/faculty donations to the Varsity Fund; individual departments or projects and not directed through the Department of Private Funding;

received earlier in the year, prior to the fall appeal. They include donations to the School of Graduate Studies student-faculty relations program: \$6,755 from 87 donors.

A Pension Workshop

Wednesday 16 February 1983,
2 - 5 p.m. Room 102
Mechanical Engineering Building

* Your U of T pension

M.G. Finlayson, UTFA

* Additional voluntary contributions — additional \$3,500 tax deduction

R.F. Brown, Director of Personnel

* RRSP options

To be announced

Sponsored by
The University of Toronto
Faculty Association

from what it is now. And we are talking about major restructuring."

Students now in first year arts and science would not be able to enter architecture until 1984-85, when the curriculum changes are in place. The number of students taken in at that time would be reduced from 100 to 60.

Students were told Jan. 26 of the proposal to reduce or eliminate their faculty at meetings arranged by Acting Dean Jacob Spelt.

Strangway says this is the first step in a review process that will scrutinize other programs where significant changes — and savings — can be made. "The process of looking at ourselves is

something we ought to be doing all along, not just when financial circumstances dictate revision. What we want out of this is a faculty that is a real credit to us."

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OISE professor director of new McLuhan program

After three years of controversy and procedural problems, the interdisciplinary McLuhan Program in Culture & Technology has been launched with a mandate to:

- maintain and extend the work and influence of Marshall McLuhan
- develop interdisciplinary research in the areas of mind, communication, culture, society and technology
- develop a forum for the exchange of ideas between the university and government, industry, the arts, and education
- offer a graduate seminar on communication, culture and technology

Program director David Olson, 47, a professor at the Ontario Institute for Studies in Education (OISE), led the first weekly McLuhan seminar Jan. 31. He offered an analysis of some of the psychological and social dimensions of literacy. The next will be presented tonight at 8 p.m. in room

404 of Carr Hall at St. Michael's College by Innis College principal Dennis Duffy. His topic will be McLuhan's theory of cultural fall. Among the other nine speakers are political science professor Abraham Rotstein (Feb. 21) and Jim Coutts, former principal secretary to Prime Minister Trudeau (March 14).

Faculty of the program are cross-appointed from their home departments on the recommendation of the program's board of directors and on the approval of School of Graduate Studies dean John Leyerle. Graduate faculty appointed to the program are: Claude Bissell, University Professor; Robert Case, OISE; L.W. Ferguson, philosophy; Kelly Gotlieb, computer science; Ivan Kalmar, anthropology; John Kennedy, psychology; Paul Kolars, psychology; Lawrence Lynch, philosophy; David Olson, OISE, director; Raymond Perrault, computer

science; Abraham Rotstein, political science; Anne Schabas, library and information science; Barry Wellman, sociology.

The McLuhan program was proposed by an SGS review committee in 1980 as a successor to the Centre for Culture & Technology. McLuhan was director of the centre from its inception in 1963 until 1979. He died in December 1980.

Interim president to be decided

A decision has not yet been made on who will be the interim president at U of T between the time James Ham leaves office on June 30 and Donald Forster takes over Sept. 1.

John Whitten, chairman of Governing Council, will take the matter to the executive committee within the next few weeks so that a recommendation can then be made to Council, says secretary of Governing Council Jack Dimond.

Teleglobe establishes McLuhan prize

A \$50,000 prize in communications has been established to honour the late Marshall McLuhan — renowned analyst of the electronic age and a professor of English at U of T for more than 30 years.

Called the McLuhan Teleglobe Canada Award, it is being administered by the Canadian Commission for UNESCO (the United Nations Educational, Scientific and Cultural Organization) with funding from Teleglobe Canada, the Crown corporation responsible for Canada's international telecommunications services.

The award will be offered every two years, with the first presentation being made toward the end of 1983, which has been proclaimed World Communications Year. A commemorative medal accompanies the cash prize.

Recipients will be individuals or groups who have contributed to a better understanding of the influence of communications media and technol-

ogy on society. The competition is open to candidates of all nationalities.

A jury of five independent Canadian specialists, to be constituted by mid-February, will choose the winner from a list of candidates put forward by a network of national commissions of the 157 UNESCO member states. Deadline for submissions of nominees is July 31.

In announcing the establishment of the award, Vianney Decarie, president of the Canadian Commission for UNESCO, said that while the communications revolution "is transforming the economic and socio-cultural structures of our society, often to good effect, it can at the same time lead to numerous problems for which we must find solutions". He sees the award as an important way of encouraging the work of the world's leading specialists, who can help us learn to use technology to our benefit.

U of T prof heads Commonwealth team

Professor Gerald Helleiner of the Department of Economics has been named chairman of a team of Commonwealth experts who will study the international trade and payments system.

Helleiner, 46, has been teaching at U of T since 1965. Vice-chairman of the North-South Institute in Ottawa, he has a strong interest in the Third World, having worked at the Institute of Social and Economic Research in Nigeria and the Economic Research Bureau in Tanzania. He has served on several fronts as an adviser to the United Nations.

"I pack all this in between classes," he said last week after a trip to London, where the first meeting of his steering committee was held. The group was formed as the result of the annual meeting of Commonwealth finance ministers which precedes the convention of the International Monetary Fund held this year in Toronto. Its report is to be ready for the next meeting of finance ministers in September.

Its mandate is to reconsider the entire system of trade and payments between the have and have-not or developing nations. "It's time to rethink the arrangement," said Helleiner. "We've had the present one for the last 40 years."

The steering group has two of the key players in the last round of talks on IMF reform in the early 1970s, Sir Jeremy Morse, chairman of Lloyd's Bank, and Lal Jayawardena, former secretary of the treasury of Sri Lanka and former ambassador to the EEC. Other eminent members are William Demas, president of the Caribbean Development Bank and I.G. Patel,

former governor of the Reserve Bank of India. It's a particularly exciting assignment, said Helleiner, because "we come from all around the world and are not committed to our governments' positions".

Helleiner is the author of *International Economic Disorder*, published in 1981 in hardcover by U of T Press and about to come out as a paperback, and the editor of *For Good or Evil: Economic Theory and North-South Negotiations*, published by U of T Press in November.

The General Committee of the Council of the Faculty of Arts & Science will receive a recommendation today that plans for entrance testing be dropped for the time being.

The recommendation comes from an *ad hoc* committee on admission testing established by Dean Robin Armstrong after the Ontario Ministry of Education announced plans to tighten up high-school programs leading to university admission. Professor Paul Rutherford of history, the chairman, and Principal W.B. Dunphy of St. Michael's College, Vice-Principal R.W. Van Fossen of Erindale, Professor R.E. Azuma of physics and student Scott Blythe were asked to study the implications of the ministry's proposals and advise the general committee whether to go ahead with arrangements for construction of the tests, which were to start with the 1985 admissions cycle.

The *ad hoc* committee will recommend that the faculty reaffirm its earlier commitment to the principle of admission testing but that it postpone a final decision on its implementation until the actual shape of the ministry's proposals for a "renewal" of secondary education are clear. It will ask the dean to continue to consult with the ministry on its progress and to report to the general committee in the spring of 1984. A second *ad hoc* committee should review the situation in the

spring of 1985 and recommend a course of action on admission testing, says the committee.

In its report, the committee says the idea of admission testing was approved largely because the faculty was "distressed" at the lack of uniformity in curricula and grading across the province and could not secure any reform in the existing system. However, the ministry's recent report, *The Renewal of Secondary Education in Ontario*, "aims at reforms which go far to meet the concerns that initially pushed the faculty towards admission testing." However, the committee

points out that a decision not to test might remove the pressure for renewal. It therefore recommends that the faculty retain the option of testing.

A further reason for holding off on the testing, says the committee's report, is the deterrent effect it might have on enrolment. "The experience with the new subject distribution requirements for entrance to the faculty suggests that admission testing may further discourage students from applying to the faculty," says the report.

Task force gets student opinion

Students on the St. George and Erindale campuses are being asked to fill in questionnaires distributed by the task force on student experience in the Faculty of Arts & Science.

Until Feb. 11, questionnaires are being collected in over 40 specially marked return boxes in colleges, libraries and other high-traffic areas. The committee is looking for specific information on problems that can be corrected. The students are being

asked for anecdotal rather than multiple-choice responses. They'll be analyzed over reading week.

From Feb. 22 to March 9 the task force will hold public meetings at which students, staff and faculty are invited to present submissions, either oral or written. Posters will be distributed around the campus advertising the times and locations of these meetings.

Correction

In the Jan. 24 issue, the *Bulletin* reported that, at the Jan. 20 meeting of Governing Council, there had been two votes against Donald Forster's appointment as President. In fact there were three. Along with graduate student Cathy Laurier and undergraduate Susan Prentice, graduate student Lois Pineau also opposed the motion.

Appointments

Recent academic appointments

The following academic appointments were confirmed at the Jan. 13 meeting of the Academic Affairs Committee:

Faculty of Applied Science & Engineering

Professor J.M. Ham, professor of science, technology and public policy, from July 1, 1983

School of Graduate Studies
Professor D.R. Olson, director of McLuhan Program in Culture & Technology, from Jan. 13, 1983 to June 30, 1987

Department of Microbiology
Professor L.P. Spence, chairman of undergraduate and graduate departments, from Feb. 1, 1983 to June 30, 1988

Department of French
Professor C.M. Grisé, acting chairman of undergraduate and graduate departments, from July 1, 1983 to Dec. 31, 1983

Department of Computer Science
Professor John Mylopoulos, acting chairman of undergraduate and graduate departments, from Jan. 13, 1983 to June 30, 1983

The following were confirmed as professors emeriti from July 1, 1982:

Department of Chemical Engineering & Applied Chemistry

W.G. MacElhinney, Morris Wayman, H.L. Williams

Faculty of Architecture & Landscape Architecture

R.J.K. Barker, Ants Elken, Thomas Howarth

Department of Astronomy

D.A. MacRae

Department of Botany

D.F. Forward

Department of Chemistry

M.W. Lister

Department of East Asian Studies

C.C. Shih, R.M. Smith

Department of English

C.T. Bissell, H.N. Frye

Department of French

M.K. Meraw

Department of Geography

A.J. Dakin, Eugene Mattyasovszky, Robert McCabe

Department of History

J.B. Conacher, G.M. Craig

Department of Italian Studies

H.S. Noce, M.W. Ukas

Department of Linguistics

H.A. Gleason

Department of Mathematics

F.V. Atkinson, H.S.M.

Coxeter, Peter Scherk

Department of Near Eastern Studies

R.J. Williams

Department of Philosophy

D.P. Dryer, E.L.

Fackenheim, David Savan

Department of Physics

J.V. Iribarne

Department of Political Science

W.K. Bryden, W.E.

Grasham, J.E. Hodgetts,

C.B. Macpherson, H.G.

Skilling

Department of Religious Studies

D.V. Wade

Department of Slavic Languages & Literatures

H.E. Bowman

Department of Sociology

Oswald Hall

Department of Spanish & Portuguese

Diego Marin, W.T.

McCreedy, J.H. Parker, G.L.

Stagg

Department of Zoology

W.E. Swinton

Faculty of Dentistry

Marjorie Jackson, Jack Kreutzer, Peter Smylski

Faculty of Education

G.H. Boyes

Faculty of Forestry

J.L. Farrar

Faculty of Law

I.F.G. Baxter

Faculty of Library & Information Science

F.D. Donnelly

Faculty of Management Studies

O.W. Main

Banting & Best Department of Medical Research

W.R. Franks, R.E. Haist

Department of Clinical Biochemistry

S.H. Jackson

Department of Family & Community Medicine

I.W. Bean, Nathan Levinne

Department of Health Administration

M.H. Brown

Department of Medical Microbiology

T.E. Roy

Department of Medicine

A.J. Kerwin, R.L.

MacMillan, A.H. Squires

Department of Microbiology & Parasitology

A.M. Fallis, Roman Pakula

Department of Obstetrics & Gynaecology

Rudi Borth, R.B. Meiklejohn, J.R. Norris

Department of Occupational & Environmental Health

A.M. Fisher

Department of Ophthalmology

J.C. McCulloch

Department of Otolaryngology

D.P. Bryce

Department of Paediatrics

H.W. Bain, A.L. Chute, J.H.

Ebbs, J.D. Keith, J.S.

Department of Education

Prichard, Andrew

Sass-Kortak

Department of Pathology

William Anderson, W.L.

Donohue, E.A. Linell, J.W.

Steiner

Department of Pharmacology

J.K.W. Ferguson, Werner

Kalow, K.E. Livingston,

E.A. Sellers, Jaime Talesnik

Department of Physiology

F.C. Monkhouse, A.M.

Rappaport

Department of Preventive Medicine & Biostatistics

W.H. leRiche

Department of Psychiatry

J.G. Dewan

Department of Radiology

D.L. McRae, M.V. Peters

Department of Rehabilitation Medicine

D.C. Arnott

Department of Surgery

M.I. Davis, R.A. Mustard,

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Faculty of Music

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Faculty of Pharmacy

S.K. Sim

Faculty of Social Work

E.R. Godfrey

Scarborough College

H.C. Corben

Research News

Canadian Liver Foundation — Summer Student Scholarship Program

The Canadian Liver Foundation's summer student scholarship program is designed to provide short-term support for Canadian undergraduates who wish to obtain introductory clinical or experimental training in hepatic physiology or disease. The award is for three months full-time work on the research project. Eligible candidates are undergraduates in the faculties of science and medicine who are Canadian citizens or landed immigrants resident in Canada.

The award will be made on the basis of:

- suitability and excellence of the candidate, based on previous scholastic record;
- suitability and excellence of the setting where the project is to be carried out;
- suitability and excellence of the research proposal, with emphasis on the student's role in an ongoing project and how this serves as an introduction to liver physiology or disease.

The application deadline is February 28. For further information, contact ORA at 978-2163.

PRAI Grant Program — Natural Sciences & Engineering Research Council

The project research application in industry (PRAI) grant program is intended to stimulate university/industry cooperative research efforts in Canada by providing grants to university professors to demonstrate technical and commercial feasibility of university-originated innovation.

Applicants to the PRAI grant program must be academic staff members of Canadian universities and eligible to apply for an NSERC operating or strategic grant. Applicants need not be holders of an NSERC operating or strategic grant at the time of submission of a PRAI grant application but those who are not must describe clearly the research project from which the proposed PRAI work has developed, and indicate what funding source supported the initial research.

The collaborating company must be associated with the university-based project and incorporated either provincially or federally in Canada. The company need not have research and development facilities but must possess a capability to accept and integrate the project result into company operations for subsequent development and exploitation in Canada.

Most projects will be funded for two to three years but under exceptional circumstances support will be considered for up to five years. Applications may be submitted at any time. For application forms and further information contact ORA at 978-2163.

Upcoming Deadline Dates

Banting Research Foundation — research grants: March 1.

C.K. Clarke Psychiatric Research Foundation — research and personnel grants: March 1.

Canadian Cystic Fibrosis Research Foundation — studentships: April 1.

Canadian Diabetes Association — research grants: March 15.

Canadian Wildlife Service (Environment Canada) — research contracts: February 18.

Cancer Research Society, Inc. — grants and fellowships: February 15.

Crusade Against Leukemia — research grants: February 15.

Environment, Ontario Ministry of — pesticides advisory grants: February 28.

Fight for Sight, Inc. — student fellowships only: March 1.

Health & Welfare Canada, NHRDP — MSc and PhD fellowships: February 15.

Health, National Institutes of (U.S.) — new research grants: March 1.

Hospital for Sick Children Foundation — research grants: March 1.

Juvenile Diabetes Foundation International — research grants: March 1.

Labour Canada — research grants: February 15.

Louis and Artur Lucian Award for Research in Circulatory Diseases — nominations deadline: March 1.

National Huntington's Disease Association — post-doctoral fellowships: February 15.

National Livestock & Meat Board (U.S.) — nutrition research program contracts and grants-in-aid: March 1.

National Neurofibromatosis Foundation — research grants: April 1.

U of T, Humanities & Social Sciences Committee — general research grants program: March 26.

U of T, Life Sciences Committee — summer undergraduate and summer graduate student support: February 28.

PhD Orals

Since it is sometimes necessary to change the date or time of an oral examination, please confirm the information given in these listings with the PhD oral office, telephone 978-5258.

Friday, February 11

Roger J. Mesley, Department of History of Art, "The Theme of Mystic Quest in the Art of Odilon Redon." Prof. R.P. Welsh. Room 111, 63 St. George St., 9.30 a.m.

Thursday, February 17

Michael Rothery, Faculty of Social Work, "Structure and Responsivity: An Exploratory Study of Interviewing Behaviors." Prof. W. Herington. Room 111, 63 St. George St., 2 p.m.

Tuesday, February 22

Dorothy Livesay re-discovered

Poetry of long-time feminist finds new audience among today's women

by Judith Knelman

Dorothy Livesay, a 73-year-old poet and writer who thought she had retired several years ago, is finding herself in great demand as writer in residence at U of T this term.

The reason is that women on campus, especially those between 30 and 40, regard her as an early feminist who lived a liberated existence long before it was fashionable and wrote about women's concerns at a time when not many were listening.

For the past few years, Livesay has enjoyed a surge of celebrity as a writer, editor, poet and fosterer of talent. While she was writer in residence at the University of Manitoba, for example, in 1975, she started a literary magazine called *CV2* whose particular aim was to be an outlet for women's poetry.

In 1977, the year she thought she had retired from Manitoba to a quiet island in British Columbia with gout, sciatica and heart trouble, she received the Queen's Medal. She continued to write and lecture and to gain popularity. In 1978, she was invited to the University of Aarhus in Denmark and in 1979 to Sofia, Bulgaria. "So many colleges are asking me to come and read," she sighs. "Poets and writers in their 70s know me, but now the young women are asking me to come and lecture because I write about women's problems."

Her early feminist poems are contained in *The Woman I Am* (a collection published in 1978 by Press Porcupine of Erin, Ont.). "In 1941, a year after I had a baby, I wrote the first poem about childbirth, 'Serenade for Strings,'" she says. "I would say it was the first feminist gesture in Canadian writing. It was hardly noticed except among a group of

women poets. From then on I have written about women having to keep the family going and be a source of all comfort and at the same time create. She cites another feminist poem she wrote in the 1940s, "The Three Emily's", which links the problems of Emily Bronte, Emily Dickinson and Emily Carr into universal feminist concerns.

Her latest book of poetry, which has just been published by the Coach House Press, is *The Phases of Love*. This is love poetry that has never been in a book before (though some has been in magazines) and was collected to show the shift in intensity and perspective that comes with advancing age. The time of composition ranges from her adolescence in the 1920s through "a middle period of quite a passionate love affair" to the views of old age on love. "I'm not the same person," she muses. "We all change, put on different personalities."

Circumstances forced Livesay to alter her pattern of creativity several times in her life. She knew early that she would be a writer: her mother, Florence Livesay, had been a newspaper editor before Dorothy was born, and her father, J.F.B. Livesay, was general manager of Canadian Press for years. In the 1930s she was writing what she calls elitist short stories — of value as literary pieces rather than popular entertainment — but there were no outlets in Canada for such ambitious products. "I just let it go," she says. "I didn't write any more short stories after the 30s." After getting a BA from U of T in 1931 and a diploma from the Sorbonne the following year, she decided on a career in social work, graduating from U of T in 1934. But she didn't stop writing.

She turned to poetry, radio docu-

mentaries and drama. In 1935, the CBC had begun broadcasting, and after war broke out in 1939 there was a need for documentary writers, the men who had held the jobs having gone overseas. The freelance writing life suited her situation as a young wife and mother who had to spend much of her time at home.

After the war she was sent to Europe for three months on a newspaper assignment. "All my husband's friends were horrified that I would leave him and the children," she recalls. Her husband, a veteran of World War I who was considerably older than she, was "more liberated than most Scots of his time", but he did not enjoy being under attack.

Livesay came into her own as a poet in the 1940s, receiving the Governor-General's medal for poetry twice, in 1944 and 1947. Since then she has not only published a great deal of her own poetry but edited collections, anthologies and literary magazines and established herself as a teacher as well as a practitioner. She's served as writer in residence at the Universities of New Brunswick, Manitoba, Ottawa and Simon Fraser and taught Canadian literature at New Brunswick, Alberta and Victoria.

Now she is recognized as a leader of literary womanhood. "I never believed it would happen," she sighs. "Unfor-

Peter Jacyk collection of Ukrainian serials

A program on Feb. 19 will mark the presentation of the Peter Jacyk Collection of Ukrainian Serials to the University of Toronto. The collection comprises over 400 reels of microfilm containing complete or nearly complete runs of 175 western Ukrainian newspapers and journals published between 1848 and 1918.

The chronological range of the titles in the collection coincides with a time when Ukrainians were experiencing a national revival. Although the vast majority of Ukrainians lived within the Russian Empire at that time, the tsarist government imposed heavy restrictions on the national movement and forbade, after 1876, the appearance of all publications in the Ukrainian language. In contrast, Ukrainians in the Habsburg-ruled Austro-Hungarian Empire were permitted relatively free development in cultural, educational,

religious and scholarly affairs. The journals, most of which were microfilmed from the holdings of the Austrian National Library in Vienna, are a rich source of data on all aspects of western Ukrainian society during its most vibrant period in modern history.

Following the afternoon program at the Robarts Library (see Events) there will be a dinner hosted by President and Mrs. James Ham to honour Peter Jacyk, founding director of Prombank Investments and the Jacyk Group, whose grant of \$47,000 to the Chair of Ukrainian Studies made the acquisition of the collection possible. Participating in the evening ceremony will be Chancellor George Ignatieff, Consul-General of Austria Frederick Istl, and the University's chief librarian Marilyn Sharow.

Peace researcher returns to U of T

American social scientist Kenneth E. Boulding, in a 1962 visit to U of T, asked the question "Is peace researchable?" (See "Reflections on Peace Research", *Bulletin*, Jan. 10, 1983.) Professor Boulding returns to the University of Toronto as Snider Bequest Visitor to give a public lecture on "The Theory and Practice of Human Betterment: Riches and Peace" on Feb. 10 in H-216, Scarborough College.

Boulding, a member of the Society of Friends, is Distinguished Professor Emeritus at the University of Colorado (Boulder). At one time he

served as an economist with the League of Nations.

His other Toronto appearances include a seminar and discussion on the previous day's lecture on Feb. 11 at 10 a.m. in the Scarborough College Council Chamber, a seminar on Peace Studies as a Discipline to the Peace Studies Group on Feb. 12 at 10 a.m. in the Croft Chapter House and, at 2 p.m. that day, a seminar and discussion on Evolutionary Theory at Bloor Street United Church, 300 Bloor St. W.



Notebook

Among the memories left by Donald Forster to members of the Board of Governors at the University of Guelph is one of an impromptu social event that took place after a meeting during the winter. A severe snow-storm made egress from the campus impossible, so the president's house was turned into a dormitory that night. The group scurried over to the campus co-op to purchase toothbrushes and U of G crested nightshirts. "It was quite an adventure," says Forster.

"When he asked us to let him go to U of T, we had to say yes," says one board member. "He has photographs!"



With the benefit of hindsight, it is amusing to read just what was said by professors about students who went on to make a name for themselves. Economics professor Ian Drummond discovered a couple of gems from the 1920s when he was researching a soon-to-be published history of U of T's Department of Political Economy (more about that in a future issue).

Here's how Professor Norman MacKenzie, who later became president of the University of British Col-

umbia, described one of his students. "Given a fair share of good luck, he has very real possibilities in the political field. From what I know of his academic record, I would imagine the thing he needs most is training that would improve his power of concentration on academic matters, and a certain amount of intellectual discipline."

The student was Paul Martin who went on to represent Windsor as a Liberal MP, served in the cabinet as Minister of Health & Welfare and as Secretary of State for External Affairs, was appointed to the Senate, from which he resigned to become Canada's High Commissioner to Great Britain.

In a letter to Harold Innis, then head of the department, former faculty member Gilbert Jackson, by then with the Bank of England, offered this glowing assessment of someone he thought would make an excellent addition to the faculty.

"I think you would be well advised to keep an eye on him. He has not yet acquired the art of telling a story but quite obviously has a good analytical mind and good independent judgement."

The subject, a graduate of the Ontario Agricultural College — now the University of Guelph but then part of U of T — was none other than John Kenneth Galbraith.

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The metamorphoses of a myth

Haunting Orpheus story subject of interdisciplinary analysis

by Judith Knelman

A magical tamer of animals and natural objects with powers to bring back the dead is the subject of a thorough analysis by a group of Scarborough College professors who have collaborated on a book that grew out of a team-taught course.

The result, published by University of Toronto Press, is *Orpheus: The Metamorphoses of a Myth*. It was edited by John Warden, a classics professor who originated and organized the course. A classicist would naturally be interested in running a course on one of the most familiar and haunting stories in Greek mythology — but so, it developed, were scholars in other disciplines. The team that produced the book with Warden consists of Professors Emmet Robbins of St. Michael's College, W.S. Anderson of the University of California at Berkeley and Eleanor Irwin of Scarborough, all in classics, Patricia Vicari of English, Giuseppe Scavizzi of fine art, Timothy McGee of music and Pedro Leon of Spanish and Portuguese. So well were they able to cover the myth from its beginnings in diverse manifestations that they decided to put together a collection of articles that would not necessarily be directed to a scholarly audience. Some of the chapters give a synthesis, others address a particular problem and still others are general historical accounts. All deal with different artistic appearances of Orpheus, whose many facets made him what Warden calls a

"plastic" or adaptable figure.

Orpheus is probably best known as the bereft lover of Eurydice, who had died of a snakebite and gone to the underworld. With his lyre, he charmed his way from the world of the living to the world of the dead, found her and received permission to take her back with him providing he did not look behind him. At the last minute, however, he did, and was forever separated from her. On his return to his own world he could make only sad music, and a group of wild women who wanted to hear something more cheerful punished him by tearing him limb from limb and throwing his head, still singing mournfully and murmuring Eurydice's name, into the river. The head carried the power to make music and poetry to the island of Lesbos.

The Biblical overlap is unmistakable even in an oversimplification of the myth. Medieval Christianity used Orpheus as a metaphor for Christ, with his song suggesting the word of God and his lyre the cross. His struggle to bring Eurydice back was interpreted allegorically as the struggle of the soul toward the light and away from darkness and the sins of the flesh. Not only his suffering but his ability to move back and forth between the living and the dead and to bring back the dead made him evocative of Christ. He was also supposed to have been a theologian whose name was attached to a religion that regarded the body as a prison, life as a trial and purification the route to divinity.

Orpheus with his lute made trees
And the mountain tops that freeze
Bow themselves when he did sing;
To his music plants and flowers
Ever sprung; as sun and showers
There had made a lasting Spring.

Everything that heard him play,
Even in the billows of the sea,
Hung their heads, and then lay by.
In sweet music is such art,
Killing care, and griefs of heart,
Fall asleep, or hearing die,

said Shakespeare in *King Henry VIII*. Scavizzi lists 80 works of visual art done by Renaissance artists including Georinone, Giovanni Bellini and Titian. McGee points out that the first three operas ever composed all dealt with the legend. The book's examples stop with the Renaissance, but Warden observes that "you keep stumbling across little poems on the theme written since then", many in the 20th century, and that the 1959 Brazilian movie *Black Orpheus* is a modern retelling of the tale.



DAVID HARFORD

The authors of *Orpheus, Metamorphoses of a Myth* (left to right, back). Professors Timothy McGee, Eleanor Irwin, Giuseppe Scavizzi, Pedro Leon, Emmet Robbins; (front, seated): Professors Patricia Vicari, John Warden.

Interdisciplinary analysis is not an uncommon approach at Scarborough, which is physically constituted so that professors regularly meet people from other disciplines. The course and the book would never have come about, says Warden, if he and his colleagues existed in separate little departments. When he wanted a broader focus on

the myth, he naturally thought of asking authorities in other fields to help out by delivering lectures and listening to others. "Quite a lot of this goes on at the college," he says, "but it's rather frightening at first if you're used to having a classroom to yourself. When you get used to it, though, it's sort of nice."

Search committee for director of medieval studies centre

The Council of the School of Graduate Studies has authorized the establishment of a search committee for a new director of the Centre for Medieval Studies.

The members of the search committee are: Associate Dean R.C. Brown, SGS, (chairman); Vice-Dean Jane Millgate, Faculty of Arts & Science, English; Professors D.A.K. Roncaro, director, Institute of Medical Science; R.A. Frank, English, medieval studies;

B.S. Merrilees, graduate chairman, French; J.A.H. Munro, economics, medieval studies; J.A. Raftis, medieval studies, Pontifical Institute of Mediaeval Studies; and J.N. Hillgarth, medieval studies, Pontifical Institute of Mediaeval Studies; and Daniel E. Shannon, graduate student, philosophy.

The director's term is five years. The search committee invites nominations and inquiries from members of the University. Please address the members of the search committee directly or write to the secretary of the committee, P.J. White, SGS, 65 St. George St. Nominations will be received up to 5 p.m., February 18.

Search committee for director of comparative literature centre

The Council of the School of Graduate Studies has authorized the establishment of a search committee for a new director of the Centre for Comparative Literature.

The members of the search committee are: Associate Dean R.C. Brown, SGS, (chairman); Vice-Dean Jane Millgate, Faculty of Arts & Science, English; Professors Gleb Zekulin, director, Centre for Russian & East European Studies; Hans Eichner, chairman, Department of German; O.J. Miller, comparative literature; J.A. McClelland, French; K.F. Quinn,

classical studies; P.W. Nesselroth, comparative literature; and S.P. Zitner, English; and Nadia O. Diakun, graduate student, Slavic languages and literatures.

The director's term is five years. The search committee invites nominations and inquiries from members of the University. Please address the members of the search committee directly or write to the secretary of the committee, Nancy Gottschalk, SGS, 63 St. George St. Nominations will be received up to 5 p.m., February 18.

United Way campaign results

Hard working coordinators and a generous staff made this year's United Way campaign at the University an overwhelming success. The number of donations was up 24 percent from last year and there was a 16 percent increase in donors. A total of \$239,500 was given by 2,147 administrative staff and faculty. The average gift per donor increased from \$80.90 in 1981 to \$109.08.



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Events

Lectures

The Canadian Perspective on NATO's Dilemmas.

Monday, February 7

J.H. Taylor, Canadian Ambassador to NATO. Combination Room, Trinity College.

4 p.m.

(International Relations Program, International Relations Society and Atlantic Council of Canada)

A.R. Gordon Distinguished Lecture Series.

Prof. Malcolm L.H. Green, University of Oxford.

The Activation of Carbon-Hydrogen Bonds by Transition Metals.

Monday, February 7

Synthesis Using Transition Metal Atoms.

Tuesday, February 8

New Organometallic Chemistry of the Early Transition Metals.

Thursday, February 10

162 Lash Miller Chemical Laboratories. 4.10 p.m.

What Makes Us Run? A New Approach to Modeling Travel Behavior and City Structure.

Tuesday, February 8

Yacov Zahavi, Mobility Systems, Inc. 244 Galbraith Building. 3 to 5 p.m. (Civil Engineering)

The Canadian Charter of Rights: at least the words are pretty.

Tuesday, February 8

Edward L. Greenspan, Q.C.; Victoria College public lectures 1983. Room 3, New Academic Building, Victoria College. 4.30 p.m.

The Glasgow Coma Scale — The First Ten Years.

Tuesday, February 8

Prof. Graham Teasdale, Uni-

versity of Glasgow; 1983 Wm. S. Keith Visiting Professor of Neurosurgery; Royal College lecture. Osler Hall, Academy of Medicine. 5 p.m.

The Challenge of Traumatic Intracranial Hematoma.

Wednesday, February 9

Prof. Graham Teasdale, University of Glasgow; 1983 Wm. S. Keith Visiting Professor of Neurosurgery. Auditorium, Toronto Western Hospital. 8 a.m.

Significance of Raised Intracranial Pressure in Head Injured Patients.

Thursday, February 10

Prof. Graham Teasdale, University of Glasgow; 1983 Wm. S. Keith Visiting Professor of Neurosurgery. Auditorium, Toronto Western Hospital. 9 a.m.

The Theory and Practice of Human Betterment: Riches and Peace.

Thursday, February 10

Prof. Em. Kenneth E. Boulding, University of Colorado; Snider visiting lecturer at Scarborough College. H-216 Scarborough College. 4 p.m.

Architecture & Landscape Architecture.

Thursday, February 10

Edward Jones, architect, London, England. Auditorium, Medical Sciences Building. 8.15 p.m. (Architecture & Landscape Architecture, Ontario Association of Architects and Toronto Masonry Promotion Fund)

The West March — A Different Drummer: The Dramatic Records of Cumberland and Westmorland.

Friday, February 11

Audrey Douglas, Records of Early English Drama. 113 New Academic Building, Victoria College. 12 noon. (REED and PLS)

Royal Canadian Institute. Winter series of Sunday afternoon lectures.

Death and Rebirth of the Tallgrass Prairie.

Sunday, February 13

Stephen Bracker, Department of Physics.

The Discovery of Insulin: What Really Happened.

Sunday, February 20

Prof. Michael Bliss, Department of History. Auditorium, Medical Sciences Building. 3.15 p.m.

Coronary Disease 1983.

Tuesday, February 15

Dr. J. Willis Hurst, Emory University School of Medicine, Atlanta; Ray F. Farquharson memorial lecture. Academy of Medicine. 5.30 p.m.

Prospects for an Integrative Medicine.

Wednesday, February 16

Prof. Herbert Weiner, University of California, Los Angeles. Auditorium, Toronto Western Hospital. 12 noon. (Psychiatry)

Belief and Irrationality.

Wednesday, February 16

Prof. William Seager, Department of Philosophy. 175 University College. 4 p.m. (Philosophy)

The Search for Early Man in Ontario.

Wednesday, February 16

Peter Storck, Royal Ontario Museum. February meeting, Archaeological Institute of America, Toronto Society; non-members welcome. Lecture room, McLaughlin Planetarium. 4.30 p.m.

Seminars

Recognition of an Antigen Shared between Human Lymphoid and Nervous Systems.

Monday, February 7

Dr. Ronald C. McGarry, Queen's University. 417 Best Institute. 12.30 p.m. (BBDMR)

Physical & Health Education Spring Seminar Series.

Ergonomics of Manual Material Handling — Safety Criteria.

Monday, February 7

Geoffrey Wright, Ontario Ministry of Labour.

Athletes' Rights in Canada.

Monday, February 21

Prof. Bruce Kidd, School of Physical & Health Education. 330 Benson Building. 4 to 6 p.m.

Science and Sabbatical in Paris.

Tuesday, February 8

Dr. Rose Sheinin, Department of Microbiology. 235 FitzGerald Building. 4 p.m.

Law & Economics Workshop Series

Structuring Incentives to Induce Parties to Act Reasonably in the Face of Contract Breach.

Wednesday, February 9

Prof. John Swan, Faculty of Law.

The Competitive Rationale for Deregulation in the Telecommunications Industry.

Wednesday, February 16

Kenneth Wyman, Canadian Radio-Television & Telecommunications Commission, Ottawa.

14th and 15th in Law & Economics Workshop series 1982-83. Paper will be circulated week in advance of session at which it will be presented; author will make introductory statement, discussion and critical analysis will follow.

Solarium, Falconer Hall, Faculty of Law. 12.15 to 1.45 p.m. Registration fee which covers paper and lunch, single session \$3.

Please note, registration required in advance if copy of paper and lunch required. Information and registration: Verna Percival, Law & Economics Program, 978-6767.

Effects of Intervention Program in Preventing Deficits of Language Comprehension Skills in Prematurely Born Five and a Half Year Olds.

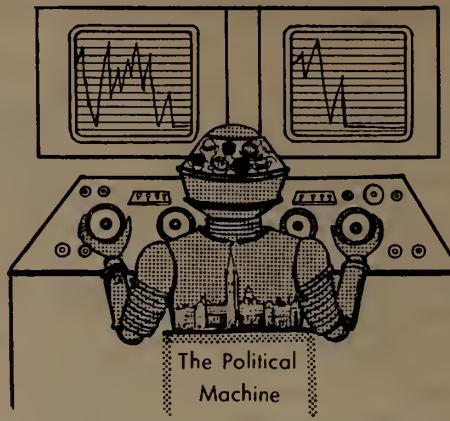
Thursday, February 10

Dr. J.S. Chapman, Institute of Medical Science. 7231 Medical Sciences Building. 3.30 p.m.

Environmental Implications of Food Production Planning in Northern Nigeria.

Thursday, February 10

Prof. Rodney White, Department of Geography and In-



"Controlling Inflation and Unemployment", Erindale College political economy seminar, Feb. 10.

Experimental and Human Pathology.

Cardiovascular and Renal Effects of Atrial Specific Granules.

Wednesday, February 9

Dr. Uwe Ackerman, Department of Physiology.

Progesterone Metabolism and Binding to the Hepatic Endoplasmic Reticulum.

Wednesday, February 16

Dr. George Feuer, Department of Clinical Biochemistry. 4171 Medical Sciences Building. 4 p.m.

Paternalism.

Thursday, February 10

John Kleinig, Macquarie University, New South Wales; legal theory workshop series. Solarium, Falconer Hall. 12 noon to 2 p.m.

Biomedical Industry in Canada, Is There One?

Thursday, February 10

George Pay, Madsen Electronics (Canada) Ltd. 412 Rosebrugh Building. 1 p.m. (Biomedical Engineering)

The Holy Spirit in Eastern Christian Iconography.

Friday, February 11

Prof. Petro Bilaniuk, Department of Religious Studies.

Cody Library, Wycliffe College. 3 p.m. (TST)

The Oresteia before Aeschylus.

Friday, February 11

Prof. Emmet Robbins, Department of Classics. 241 Larkin Building. 3.15 p.m. (Classics)

Manitoba Basic Annual Income Experiment (MINCOME): Potential for Research.

Tuesday, February 15

Prof. Greg Mason, University of Manitoba. 7th floor conference room, Faculty of Social Work. 2 p.m.

Genetic, Molecular and Functional Analyses of the Broad Host-Range Streptococcal Plasmid, pAMB1.

Tuesday, February 15

Dr. Donald LeBlanc, National Institute of Allergy and Infectious Diseases, Fort Detrick, Maryland. 235 FitzGerald Building. 4 p.m. (Microbiology)

Tree Physiology on Snake Island: acoustic emissions from sapwood or how to listen to trees and sap flow from excised maple branches.

Wednesday, February 16

Prof. M.T. Tyree, Department of Botany. Room 7, Botany Building. 3.30 p.m.

Hormonal and Trophic Factor Influences on Adipose Tissue Growth.

Monday, February 21

Dr. D.A.K. Roncari, Department of Medicine. Basement level, Artificial Pancreas Building, 180 Elizabeth St. 5 p.m. (Banting & Best Diabetes Centre)

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Events

Meetings & Conferences

Hours of Work, Piece Rates and Employment of Lancashire Cotton Spinners, 1822-52.

Monday, February 7

Michael Huberman, graduate student, Department of Economics; economic history workshop. 3037 Sidney Smith Hall. 8 p.m.

Information and copy of paper in advance, Ursula Gutenberg, room 108, 150 St. George St., 978-8623.

UTSA Forums on Salary & Benefits and Fiscal Termination.

Tuesday, February 8

Erindale College. 204 North Building. 12 noon to 1 p.m.; 3129 South Building. 1 to 2 p.m.

Thursday, February 10

Scarborough College. Council Chamber. 12 noon to 1 p.m. and 1 to 2 p.m.

Research Board.

Wednesday, February 9 Meeting will discuss the RAAG report, research review and the inventions policy. Croft Chapter House. 2.10 p.m.

CADD Experience.

Monday, February 14 Computer aided design/drafting seminar presented by Department of Architecture.

"Case history: decision to computerise — selection of CADD system — impact on medium-sized architectural practice — financial aspects."

"Adapting CADD system to architectural design and production: system characteristics — security — cataloguing — production schedules — training pro-

gram — job costing."

Michael Byrne and Douglas Kernaghan, Dumaresq & Byrne Ltd. Architects & Engineers. 9.15 a.m.

"Working drawings production using an outside service," Stanley Radway, Webb Zerafa Menkes Housden Partnership, and Nelson Pau, Programmed Interactive Graphics Inc.

"Microcomputer alternatives and new developments," Profs. Mark Lindhult and John Danahy, Department of Landscape Architecture.

1.30 p.m.

Panel discussion. 4 p.m. Auditorium, Sandford Fleming Building.

Registration fee, which includes lunch: in advance \$70; at door \$80.

Information and registration: Prof. Paul Sandori, Department of Architecture, 978-5039.

Current Applications of Recombinant DNA Technology.

Friday, February 18 and Saturday, February 19

Eastern winter workshop of the Canadian Society for Cell Biology. H-216 Scarborough College. 9.30 a.m. to 5 p.m. Advance registration required.

Information and registration: Prof. Ian R. Brown, Division of Life Sciences, Scarborough College, 284-3213.

Exhibitions

Robarts Library.

Dialect of Hatred: The Language of Prejudice.

To February 9

Books, pictures and newspaper articles; prepared by Prof. Douglas Chambers, Department of English.

The Polish Institute Library at McGill University.

February 14 to March 31

Main display area, Robarts Library.

Scarborough College.

To February 12

Exhibition from the Malcove collection, in conjunction with medieval colloquium.

February 22 to March 11

Anne Leon/Marlene Moore, ceramics/prints.

Gallery hours: Monday to Thursday, 9 a.m. to 7 p.m.; Friday, 9 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.

Erindale College.

To February 18

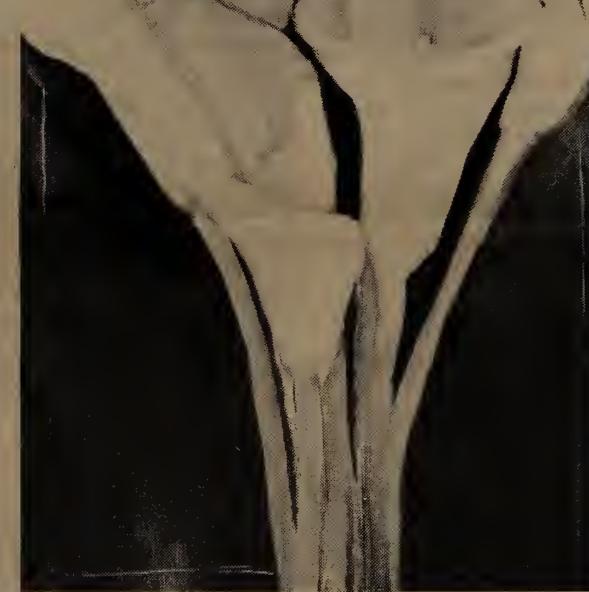
Helen Lucas, paintings, flowers.

February 21 to March 11

Barbara Caruso, paintings, colour lock-vertical series.

Gallery hours:

Monday-Friday, 10 a.m. to 9 p.m.; Saturday-Sunday, 2 to 5 p.m.



"Lilies", by Helen Lucas, on display at Erindale College art gallery to Feb. 18.

Rudnytsky, University of Alberta; Prof. Em. George Y. Shevelov, Columbia University; Prof. George G. Grabowicz, Harvard University; Prof. Bohdan Budurowycz, Department of Slavic Languages & Literatures; Prof. John L.H. Kee, Department of History; Prof. Myroslava Ciskewycz, Ohio State University. 4049 Robarts Library. 2 to 6 p.m.

Information: Chair of Ukrainian Studies, 978-3332.

Saturday, February 19 Blues vs. York. Varsity Arena. 7.30 p.m. Tickets \$3, reserved \$4, students \$2.

Information and other inter-collegiate schedules, Department of Athletics & Recreation, 978-3443 or 978-3437.

Film

Memorable Motion Pictures.

Thursday, February 10 "Trouble in Paradise." Alice Moulton Room, Sigmund Samuel Library. 6.30 p.m.

Information: Audiovisual Library, 978-6520.

Concerts

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Faculty Concert Series.

Twilight.

Concerts at 5.15 p.m.

Thursday, February 17

Zenia Kushpetra, piano; works by Beethoven and Schumann.

Noon Hour.

Concerts at 12.15 p.m.

Wednesday, February 9

Pierre Gallant, piano, performs his own compositions. Concert Hall, Royal Conservatory of Music.

Tickets \$2, students and senior citizens \$1.

Royal Conservatory Orchestra.

Friday, February 18

Guest conductor Uri Mayer; works by Mozart, Beethoven and George Fiala.

Orchestral Training Program. Church of the Redeemer, Bloor and Avenue Rd. 8 p.m.

Tickets \$3.50 to \$7.50, students and senior citizens from \$2.75.

Information: Royal Conservatory of Music box office, 978-3771.

Information and Mediacom Industries Inc. Walker Court, Art Gallery of Ontario.

3 p.m.

Information: Royal Conservatory of Music, 978-3771; or Art Gallery of Ontario, 977-0414.

Adrienne Shannon and Joy Innis, Pianos.

Sunday, February 13 Works by W.F. Bach, Brahms, Milhaud and Kelsey Jones; two-piano recital in Royal Conservatory Alumni Association scholarship fund concert series.

Concert Hall, Royal Conservatory of Music. 3 p.m.

Tickets \$5, students and senior citizens \$3.

Information on all concerts at the Royal Conservatory of Music, publicity office, 978-3771.

EDWARD JOHNSON BUILDING

Thursday Afternoon Series. Student Chamber Music Concert.

Thursday, February 10

Compositions by Student Composers.

Thursday, February 24

Walter Hall. 2.10 p.m. Information on all concerts in Edward Johnson Building, box office, 978-3744.

Plays & Readings

UC Poetry Readings.

Poems of the 1930s.

Monday, February 7

Read by Prof. Michael J. Sidnell.

Poetry Writing & Poetry Appreciation.

Monday, February 21

Demonstrations by Prof.

W.J. Keith.

Walden Lounge, University College Union. 4.10 p.m.

Camelot.

February 7 to 12

By Lerner and Loewe, co-production of Trinity College Dramatic Society and St. Michael's College. George Ignatief Theatre. Performances at 8 p.m. Tickets \$5, students \$3.

Information: Trinity College Dramatic Society, 978-4166.

Back to Beulah.

February 8 to 12

By W.O. Mitchell. Graduate Centre for the Study of Drama's 1983 studio season. Glen Morris Studio Theatre, 4 Glen Morris St. Performances at 8 p.m. Admission \$2.

Information: 978-8668; performance evenings, 6 to 8 p.m., 978-8705.

One Night Stand.

February 10 to 12

By Carol Bolt. T.V. Studio 1, Scarborough College. Performances at 8 p.m. Information: 284-3243.

The Department of Political Science

presents

Olin Lecture in American Political Culture

Wilson Carey McWilliams,

Professor of Political Science, Rutgers University

"The Bible and American Political Culture"

Tuesday, February 22, 4 p.m.
Upper Library, Massey College

Miscellany

POLLUTION PROBE.

All events held at Ecology House, 12 Madison Ave.

Difficult Insulation Jobs.

Tuesday, February 8

How to deal with cathedral ceilings, flat roofs and other tricky insulation jobs. 7 p.m. Fee \$3.

People Who Live in Glass Houses ... Tell You How It Feels.

Tuesday, February 15

Homeowners discuss from first-hand experience what it's like to live in a low-energy, passive solar home. 7 p.m. Fee \$3.

Planning Your Food Garden.

Thursday, February 17

Seminar on garden planning, choosing and ordering seeds and setting the garden timetable. 7 p.m.

Solar Greenhouse Design and Management.

Saturday, February 19

Workshop examining the solar greenhouse from design and construction to heat and light requirements, soil conditions and maintenance. 9.30 a.m. to 4.30 p.m.

Fee \$15. Please register in advance.

S-Area — The Latest Developments.

Monday, February 21

Seminar on latest developments on toxic chemical wastes in Niagara River area. 7.30 p.m.

Information on all Pollution Probe activities, 967-0577.

The Estate You're In: An Overview of Investment and Estate Planning Objectives for the 1980s.

Thursday, February 10

Nancy Thomson, Nancy Thomson Investment for Women; meeting, University Arts Women's Club, St. Thomas' Church Hall, 383 Huron St. 1 p.m.

Faculty of Applied Science and Engineering Open House.

Friday, February 11 and Saturday, February 12

Includes laboratories in operation, slide-tape shows, tours of the buildings and departmental displays. Sandford Fleming and Galbraith Buildings.

Friday, 4 to 10 p.m.; Saturday, 10 a.m. to 5 p.m.

Men's Hockey.

Wednesday, February 16

Blues vs. McMaster.

Saturday, February 19

Blues vs. York. Varsity Arena. 7.30 p.m. Tickets \$3, reserved \$4, students \$2.

Information and other inter-collegiate schedules, Department of Athletics & Recreation, 978-3443 or 978-3437.

Peter Jacyk Collection of Ukrainian Serials.

Saturday, February 19

Presentation of collection to the University of Toronto Library. Speakers are Prof. Paul R. Magocsi, Chair of Ukrainian Studies; Prof. Omeljan Pritsak, Harvard University; Prof. Ivan L.

Maintaining and monitoring integrity in research

by Bernard M. Dickens*

A recent experience of a potentially damaging but unjustified accusation of scientific fraud has disclosed measures which should be accommodated in research in order to deal with suspicions against integrity. Such measures should be required of investigators both for demonstration of research propriety, and for monitoring to resist impropriety.

Retention of Data
The physical maintenance and storage of primary and developed research data present a logistical and financial problem which both individuals and institutions must face. Public hospital records may have to be kept for 50 years or more, but clinical records may be distinguished from research records. Investigators in every discipline have interests scrupulously to preserve all documents and other evidence of fidelity to their research protocols, lest charges of ethical, methodological or other wrongdoing may be made to which it is no longer possible to present responses supported by critical evidence. The recent challenge to integrity came over a decade after the data had been collected. Researchers destroy, surrender, leave behind and misplace data at peril of their reputations and careers.

Further, when at completion of a project research team members disperse, each may need to ensure access to all of the data, for individual means subsequently to explain procedures and for checking upon colleagues' conduct. Clearly, it is preferable for colleagues to show integrity of individual work at the time it is done, and to be vigilant of the competence and honesty of col-

laborators' contributions. A cost of fraud in science, however, is not only the introduction of self-defensive mutual suspicion into interactions of colleagues, but also limitations imposed upon integration of efforts of those introducing different disciplines, skills and methodologies to an enterprise. Nevertheless, the precondition to identification of impropriety and, of course, to proof of integrity, is common access to pooled and preserved data.

Confidentiality and Adverse Interests
Data destruction may best preserve subjects' confidentiality, but this may be inimical to preservation of investigators' reputations. Discharge of an ethical expectation to afford absolute protection to the confidentiality of subjects is limited in that investigators have a conflicting interest in maintaining means of relating data to individual subjects, and in revealing personalized data when faced with a charge against their personal integrity.

Experimentation review committees obliged to require maximum safeguarding of confidentiality must be apprehensive about exposing investigators to fraud charges which they will lack effective means to answer. Further, destruction of data may actually be a means of perpetrating and concealing fraud. The research community itself has an adverse interest in destruction of means to detect scientific fraud.

Accordingly, when potential subjects are initially invited to participate in a study, necessary limitations upon assurances of confidentiality should be made explicit. General guarantees such as to ensure "maximum protection of confidentiality" should be replaced with explanations of means of data preservation and an outline of conditions of limited disclosure.

Making and Resolving Challenges to Integrity

Research findings may be expected to be first presented to professional

peers, in the specialized literature and, for instance, at professional meetings, rather than to the mass media. This invites peer review and criticism, indicating that challenging and resolving the integrity of research no less than its methodology is primarily, although not exclusively, a matter for the investigators' professional associates. This is not to deny public news media an investigational role, but to offer and oblige a means of appropriate discourse among informed colleagues.

The Faculty of Medicine has constituted a standing committee to receive and review allegations of scientific fraud. Other appropriate units of the University might be advised similarly to consider how such allegations should be allowed to be expressed in good faith, and how allegations may credibly be tackled. Responsibility may be shared, of course, with professional associations and funding agencies, as well as, for instance, with the University Research Board.

Prevention of Scientific Fraud
The recent fraud allegation arose within the discipline of psychology, where prevention of fraud may be assisted by application of a relevant variant of the suggestions first made in January 1982 by the Ad Hoc Committee to the Dean of the Harvard Medical School on Dishonesty in Scientific Research. These are that:

1. Special attention should be given at the time of recruiting staff to a project to the motivation and integrity of the applicant through careful examination of credentials and claimed accomplishments.

2. Written, detailed, explicit procedures for data gathering, storage and analysis are essential and should be available in the research centre.

3. Junior and intermediate researchers should be supervised by experienced scientists, including regular, in-depth scrutiny of the primary data and the calculations leading to the presentation of results. The research director should, by example, develop in colleagues a respect for primary data and their preservation.

4. The conduct of studies including interviews which are blind to subjects' conditions or coded, and the exchange of methodologies between research centres, should be encouraged. The repetition of studies or of data interpretation by different research teams is desirable whenever possible.

5. Junior and intermediate researchers should be encouraged to work with other colleagues, to share data and to engage in free discussion of

results. Secrecy about methods and data should be discouraged.

6. Emphasis should be placed upon the quality and significance of research rather than on quantity and visibility. The research or unit director should accept responsibility for the quality of the work reported from the research centre.

7. There should be close personal interaction between researchers at all levels of seniority. Among the many benefits of such close interaction could be the early detection of personal problems or unusual personality traits.

These suggestions may be reinforced by, for instance, introduction of systems of unannounced spot-checks upon data by independent scientists, and by even senior investigators having to recognize enforceable accountability to colleagues and independent experts not only for their competence, but also for their integrity. Subjection to compulsory monitoring may be uncomfortable, but this underwriting of ethical integrity of a study, particularly when it is unlikely or impossible to be replicated, should be welcomed rather than resented.

Clearly, the engagement of independent expert monitors of research may add an unwelcome expense to the budget, but this may be reduced within and among universities, whose members serve unpaid upon review committees for human research.

Although suspicions of fraud contribute to erosion of professional and public confidence in research findings, they may not be exclusively bad. They may also compel recognition that preventive measures must be effective, and must also achieve a level of objective credibility. Preventive measures not only buttress the studies in which they are taken, but also contribute to professional and public confidence in the enterprise of scientific research.

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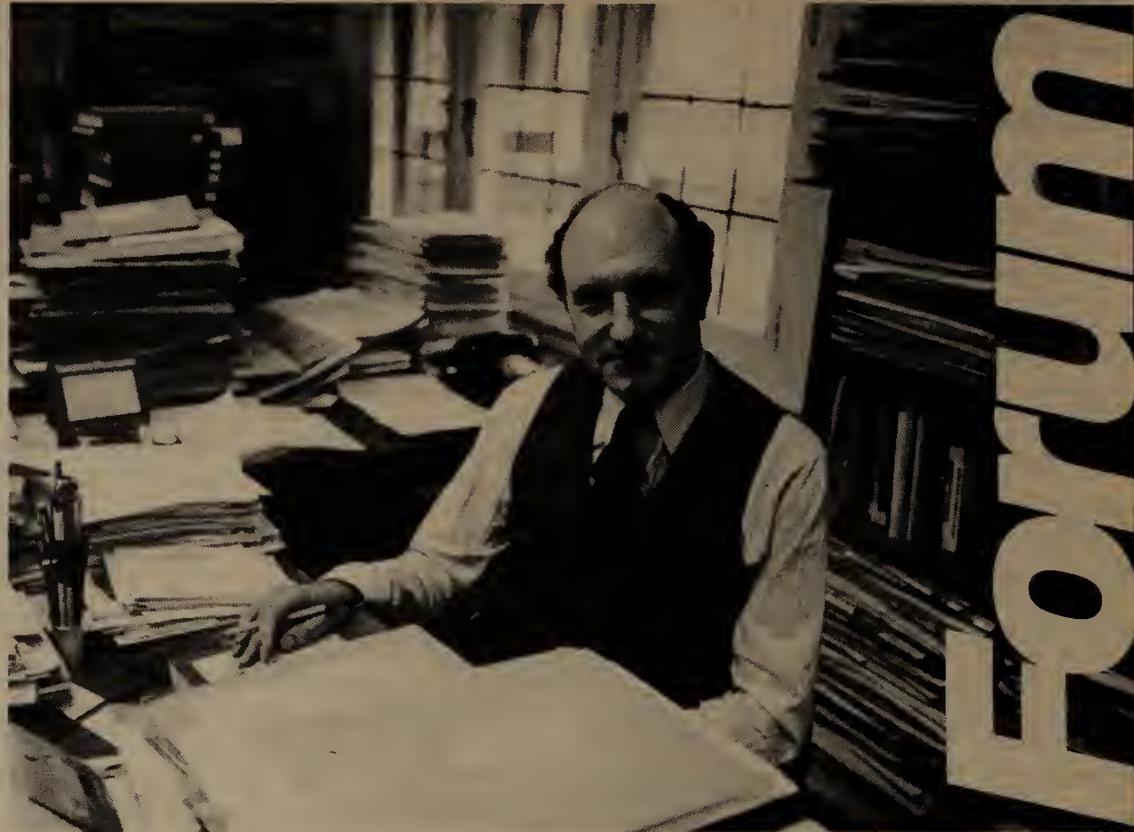
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STEVE BEHAI

Review of football needed before coach hired

The following is an open letter to the council on athletics and recreation.

Recently, the Department of Athletics & Recreation has advertised two full-time coaching positions — in men's ice hockey and football — to fill the vacancies created by the 1981 departure of Tom Watt, and the recent retirement of Ron Murphy. We also understand that a new position in men's basketball will be created following the retirement of John McManus.

Elsewhere in the University, vacancies are never automatically filled by appointments in the same area or sub-discipline, but the department concerned must demonstrate that the new appointment is necessary and that it will be made in the greatest area of need. In fact, recent articles in the *Bulletin* have repeatedly stressed the importance of careful planning of new appointments, especially when they are to be made to the tenure/tutor stream where the implications are long-term.

Yet it is our understanding that neither the excellence committee nor the council as a whole has discussed whether appointments in these sports would best meet the overall needs of the high-performance program. This omission, we believe, is extremely short-sighted.

Two of us were members of the very first excellence committee during its long and difficult attempt to determine criteria for the allocation of inter-collegiate funds. At that time, all parties agreed that the single most important factor affecting the quality of opportunity in any given sport was the presence or absence of a permanent coach. If a sport already had a permanent

coach, it enjoyed a more successful program, higher status, and a higher budget; and could meet the criteria for top ranking; if it did not have a full-time coach, it was considered "minor" and the opportunities were clearly second-class. No matter how important it might be for the department to improve its program in a sport without a permanent coach, it became clear, it was impossible to do so because of the rigidities created by the tenure enjoyed by existing coaches: scarce funds invariably went to support those programs in which the permanent staff had an interest. The lesson we learned from this was that if resources continued to be scarce, *significant policy change could only occur at the time of new appointments*. This is the reason why it is essential that council give full consideration to these appointments — now. Whether council formally approves them or not, the appointments will significantly affect the allocation of resources in the excellence area for some time to come.



If the council was to give careful consideration to these appointments, we believe it might well be demonstrated that a permanent football coach is *not* a high priority. As much as we have enjoyed the game ourselves, we must face the facts that relative to many other sports, football is expensive; it offers neither carry-over fitness benefits, nor very many opportunities to play it after graduation; and it is rapidly losing adherents.

Consider:

- according to a recent report by the American Medical Association, football is the most dangerous sport to play; the incidence of death on a per participant basis is higher than in any other sport, including mountain climbing, auto-racing, and boxing
- although exact figures are not available to us, the equipment costs in football dwarf those of other fall sports, such as soccer and rugger. As a result, far more people can play these other games, an important consideration at a time of growing concern about the social costs of an unfit population
- in virtually every other sport in which there is presently intercollegiate competition, the possibilities for a university athlete to keep playing after graduation have increased significantly in recent years. In those sports in which there is significant international competition and a good national program, there is the possibility of not only new competitive opportunities for U of T athletes, but for Sport Canada and Ontario government funds, as field hockey, track and field, swimming and rowing have already shown. In football, there's none of this. To be sure, a few outstanding

U of T (and other CIAU) footballers have enjoyed professional careers in the Canadian Football League, but a few careers in the third-best American football league is hardly a justification for a program. Outside the CFL, there are virtually no opportunities for footballers to keep playing — it's becoming a dead-end sport

- although high school participation in most other sports is booming, in football it's fallen by more than half — hardly the sign of a flourishing sport
- despite two years of rich advertising budgets (1980 and 1981), U of T football still draws very little — there's no evidence of sustained fan interest either

This is just a brief list of the disadvantages we see in further major investments in football. We (and others) can add to it, if given the opportunity. We are not calling for its abolition in this letter, however, (although we feel that ultimately it should be relegated to the status of a sport with a part-time coach and a reduced budget) but merely for a full discussion of the merits of football relative to other sports *before* a new full-time coach is hired. It may well be that football supporters can counter these arguments, but if that is indeed the case we suggest you still need that assurance *before* you proceed. And what about other options? It would also be useful to consider what other sports might do with a full-time appointment *before* making the appointments in hockey, football and basketball.

We realize that it may be embarrassing to reconsider a position once it has been advertised, but embarrassment can be quickly overcome — a new appointment represents a major commitment to that sport for perhaps a lifetime. Is the council prepared to commit future generations of the University to these sports without even a discussion of the options? Surely not.

Please reconsider.

Rob Beamish
Bruce Kidd
Peter Klavora
Michael Plyley
Edward Thompson
Peter Tidus
School of Physical & Health Education

Language 'trivia' cheapens women's cause

What a sense of sadness is invoked by the article in the Jan. 10 *Bulletin* on the concerns of student governor Cathy Laurier over the use of the good old term "chairman". Wherever did she, and all the others cited in the article, get the idea that such a word implies gender? Generations of men and women have had no trouble at all with "Mr. Chairman" or "Madam Chairman". Most of the concerns expressed in the article are silly figments of imaginations that seek to elevate trivia to the level of pseudo-intellectualism. The great women of history have not concerned themselves with this nonsense but have got right on with making their contributions to society. If they have encountered patronizing attitudes from men they have ignored them as beneath their dignity or they have used a rapier wit to crushing advantage. It would be difficult to imagine Gertrude Jekyll or Vita Sackville-West in the midst of producing their gardening masterpieces troubling their heads over whether they had to deal with the chairman or the chairperson of the local council.

There is genuine concern over the advancement of women but let us not cheapen it by resorting to nonsense over trivia in language. This is yet another example of the shallow and unthinking aspect that all too frequently weakens the serious side of the women's movement. These champions of linguistic and etymological absurdity who would bombard our ear

with a jarring cacophony in the pursuit of an imagined freedom will not be thanked by those whom they could be helping in the solution of perfectly real problems. I remember very poignantly the concern of a young wife who had happily chosen to take an interlude in her career to bring up a family but who was unnecessarily imprisoned in the house all day because of unthinking school boards who would not make supervised lunch periods available in the schools, with the effect that mothers cannot get a clear day out of the house because the children are always home in the middle of the day. Let us get the priorities right.

The obsession with language goes much too far. I suppose I have to accept that there are those who now prefer to be addressed by that unpronounceable absurdity "Ms.", although I cannot bring myself to use it, but it is surely insensitive to the feelings both of women and of men for the School of Graduate Studies to have removed "Miss" and "Mrs." from its application form. There are many women of my acquaintance who bridle intensely at being referred to as "Ms.", and if they are denied the right to what they would consider as dignity of expression how am I to respect their wishes in corresponding with them? The school has been thoughtless, or could it be that the designer of the current form is guilty of excessive missionary zeal?

It is mildly amusing to read that in the appointment of a chairman of the

Department of Sociology "even the secretaries were canvassed for their opinions on a short list . . . and their voice was probably more decisive than any other group." Since this tid-bit is offered as evidence of that department's fairness to women do I detect just a suggestion of "sexist language" in assuming that secretaries will necessarily be women (apart from the fact that the function of a secretary is to attend to office duties and not to choose chairmen of University departments).

If the *Bulletin* article fills one with sadness for what some would do to the English language the suggestions from the Nova Scotia Confederation of University Faculty Associations leave us wondering whether there is any hope for the Maritime universities if that is all they have to concern themselves with. Fortunately the authors of such drivel are probably as few as one hopes that those of like mind are here.

The greatest sadness of all must surely be that we do not any longer have Fowler among us. What a magnificent field day he would have had with the OISE "instructor" who insists on a thesis using "he" and "she" in alternate chapters. I cannot bring myself to grace such a person with the title of professor. No wonder there were those who felt passionately that some in OISE had no place in the University.

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Department of Geology

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Letters

UTSA's leadership 'ignoring democratic principles'

We would appreciate it if the following letter to Michael Jackel, president of the U of T Staff Association, could be published in the Bulletin.

We have read with interest the proposals submitted by UTSA to the University administration and reported in the last issue of the UTSA newsletter and the Jan. 10 *Bulletin*.

Some administrative staff members remember that the question "should we have a staff association or a union representing us" was widely debated before the founding of UTSA. Depending on their political orientation, there will always be colleagues arguing for or against unionization but, as you know, the idea has never had wide support.

Introducing compulsory membership in UTSA or donation of an amount equal to UTSA dues to a charity introduces into the University's conditions of employment a provision of the Labour Relations Act meant to provide an "out" for people of certain religious convictions, the *majority* of whose colleagues have expressed a desire for unionization. Furthermore, proposing to require membership in UTSA (or the dues' equivalent in donations) when less than half of the administrative staff support UTSA and even fewer support unionization, is totally inappropriate and we are convinced that many colleagues would, with us, rather terminate their voluntary membership in UTSA than contribute to an organization that has no respect for democratic ground rules.

Having been UTSA members for many years, we are familiar with the regrettable fact that a substantial number of colleagues enjoy the

benefits of UTSA's work without becoming members and without paying dues. However, we are not prepared to see the existence of "freeloaders" used as justification for an attempt to override the wishes of the majority.

We further wish to object to the request for paid leave for political campaigning. UTSA members have responsibilities as taxpayers. The Canadian economy no longer bask in the rosy glow of affluence as it did when the faculty members managed to obtain this benefit many years ago.

Any member of our society has the right to support the candidate of his/her choice for political office. However, use of public funds allocated to the University in order to support political campaigning is an abuse of tax support; and the attempt to introduce this as a benefit for administrative staff at a time when the U of T is financially struggling for survival is a display of financial irresponsibility.

We feel that it ill behoves the administrative staff to join the faculty in this financial abuse.

We strongly suggest that inclusion of the above two demands in UTSA's negotiating package has done UTSA a disservice by advertising to the University community that UTSA's leadership is ignoring democratic principles by trying to impose the will of the minority on the majority and by demonstrating an irresponsible attitude to the expenditure of public funds.

*Tony Jares
Anna Jamieson
Merle Lord
Bob Simpson*

In Memoriam

Professor Zerada Slack, physical and health education, January 2.

Prof. Slack was born in Montreal in 1902. She graduated in 1923 with a BA from McGill University, where she earned her diploma in physical education the following year. She did post-graduate work at the University of California at Berkeley, and in Norway, Denmark and Germany under an arrangement with Columbia University.

In 1924 she became director of physical education for girls at the Central Collegiate Institute, Hamilton. In 1926 she became director of physical education for the YWCA in Montreal and then

in 1928 returned to McGill as a member of the faculty. After 11 years there she went to Mount Allison University to organize their physical education department. In 1941 she was requested by the War Services Committee of the national YWCA to organize and direct their program of health education and recreation.

In 1945 she joined the staff of the Department of Athletics & Physical Education for Women, University of Toronto. In 1949 she became director and assistant professor. Her efforts with the Women's Building Committee and Board of Governors resulted in the completion in

1959 of what was a centralized facility for women, now known as the Benson Building. The same year she was promoted to associate professor, a post which she held until her retirement in 1965.

Prof. Slack was one of the founders of the Women's Intercollegiate Athletic Union and president of the Quebec Physical Education Association. She was a founding member of the International Congress of Physical Education and a member of the national board of the YWCA.

Ballet where she stayed until 1974.

For almost two decades beginning in the mid-1930s, she worked on the Promenade Symphony Orchestra summer concert series, which brought together Volkoff dancers and members of the Toronto Symphony Orchestra.

She was also the first pianist for the National Ballet of Canada and musical director of the Canadian Ballet Festivals between 1948 and 1954 — while at the same time working part-time with the Canadian Broadcasting Corporation's music department.

Margaret Clemens, School of Physical & Health Education, January 13.

Born in Toronto, Margaret Clemens studied at the Royal Conservatory of Music while attending Parkdale Collegiate. For the past 30 years she was a musician and instructor at the School of Physical & Health Education. An accomplished Toronto composer, arranger and musical performer, Clemens was best known for her work with the Volkoff Canadian Ballet company — a forerunner of the National Ballet of Canada. By 1932 she had become musical director of the Boris Volkoff School of

Classified

A classified ad costs \$5 for up to 35 words and \$.25 for each additional word. Your name counts as one word as does your phone number, but the components of your address will each be counted as a word.

A cheque or money order payable to University of Toronto must accompany your ad.

Ads must be submitted in writing, 10 days before *Bulletin* publication date, to Marion de Courcy-Ireland, Information Services, 45 Willcocks St. Ads will not be accepted over the phone.

Accommodation

Sabbatical Rental. June 1983 - August 1984. Renovated Edwardian townhouse 10 minute walk to U of T and rapid transit to York. Sleeps 3-5, with one or two studies. No parking. All appliances, \$900 monthly; dates and rates negotiable for careful tenant. Phone Warkentin, (416) 920-0248, evenings.

Accommodation wanted. University family seeks three or four bedroom rental home for one year effective May or June 1983. High Park or area close to schools preferred. Phone 604-873-1162.

U.K. apartment for rent. Furnished apartment in Kensington, London, England for rent, September 1983, for approx. one year. Large recep., one double bedroom, own gas heating. Suit couple. \$500 per month, utilities excluded. Apply: Prof. S.C. Nyburg, Dept. of Chemistry, University of Toronto, 978-3603.

House for rent in Upper Beaches. Easy access to University. 3 bedrooms, detached and furnished. Has all appliances. Very large heated garage. Available mid-June for 14 months. \$850. monthly plus utilities. 690-4776.

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Apartment for Rent. 74 Howland Ave. Renovated triplex. Two bedrooms. Fully carpeted. Two bathrooms. Dishwasher and washer/dryer in unit. Two decks. Fireplace. Two levels. \$800 a month until May 30/83. Phone: Brent — Day 224-5494; Evening 278-6616.

Apartment for Rent. 558 Spadina. Bloor and Spadina. Huge 3 bedroom apartment in renovated Victorian. All appliances. Fireplace. Sundeck. Parking. \$975 includes heat and hydro. Telephone: 960-1132, 278-6616.

University of London Professor seeks accommodation for self, wife and six-year-old for July and August. Contact via Professor L. McLean. 923-6641 (day) or 962-6891 (evening).

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Job Openings

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the Personnel Office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call:

(1) Sylvia Holland, 978-6470; (2) Steve Dyce, 978-5468; (3) Jack Johnston, 978-4419; (4) Elaine Preston, 978-2112; (5) Barbara Marshall, 978-4834; (6) Penny Tai-Pow, 978-6496.

Laboratory Technician II (\$16,850 — 19,820 — 22,790) Banting & Best Medical Research (2)

Administrative Assistant I (\$16,850 — 19,820 — 22,790) Chemical Engineering (3)

Programmer III (\$25,460 — 29,950 — 34,440) Faculty of Medicine (3)

Professional Engineering Officer I (\$22,920 — 26,960 — 31,000) Acoustic Optic Research Lab, 50 percent full-time (3)

Horticulturist III (\$20,660 — 24,300 — 27,940) Erindale (4)

Dental Technician III (\$18,620 — 21,900 — 25,180) Dentistry (4)